MEGALITE

DRAMA LED Q170

USER MANUAL

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Check that the unit has not been damaged during transport

Read all cautions and warnings prior to operation of this equipment

Protection Against Fire

Fire

1. Maintain a minimum of 1 foot distance from any type of flame.
3. Replace fuse only with the specified type and rating.
4. Do Not install the unit to close to a heat source.
5. Make sure cable are properly secured away from unit movement.
6. Maximum surface operating temperature 130º.

Protection Against Fire

Electrical

1. Disconnect power before servicing.
2. For connection to main power supply proceed to page 5.
3. This unit must be earthed. (electronically grounded)
4. Do not expose unit to rain or moisture.

Protection Against Mechanical Hazards

Mechanical

1. Use safety chain when hanging unit.
2. Use quality clamps or bolts when positioning unit
3. Do not open unit while it is on, risk of electrical shock.

Technical Information

Part Numbers

Fixture

7010-Drama LED Q170

Mechanical Specifications

DMX Connectors: 3-pin XLR connectors in/out

Power Connections: Neutrik Power Con to Male Nema 5 15

Thermal: Maximum ambient temperature 104°F
Maximum surface temperature 130° C

Display: Digital

Fastening System: Mounting Yoke

Gobo Size: 85mm, image size 30mm

Fixture	Packaged for Shipping
Size: 22.25”L x 14.25”W x 1.25”H	Size: 26”X 12” X 12
Weight: 14.5 lbs	Weight: 17 lbs

Electrical Specifications

LED Type: 1 COB LED

LED Watts: 170

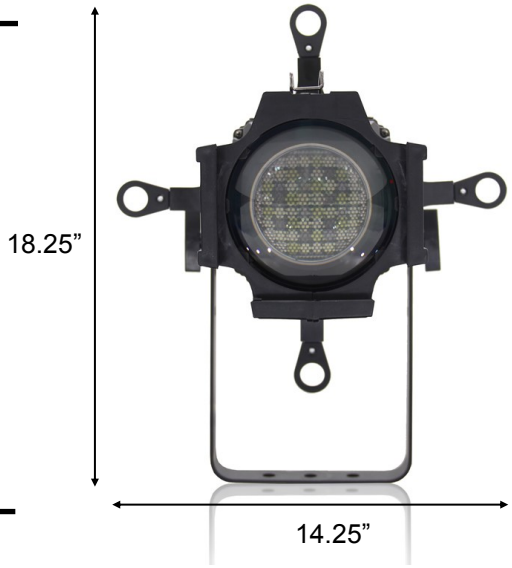
LED Lifetime: 50,000 to 100,000 hours

Lens Options: 13°,19°,26° and 36°

Operating Power: Universal 100 - 240V 50/60 Hz

Ballast: Electronic

Power Consumption: **Watts:** 204
Amps: 1.71



Control & Programming

Protocol: DMX 512

DMX Channels: 2 Mode of operation

4 Channel Model Red, Green, Blue, White
7 Channel Mode Dimmer, Red, Green, Blue, White, Macro, Strobe

Operating mode: Stand alone 255 step Dimmer setting via display

Main Power Connec-

Caution!

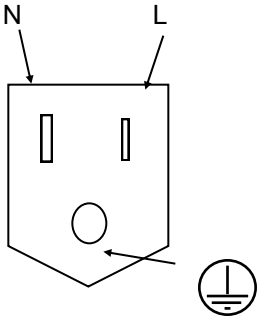
1. Do not connect fixture to a dimmer system.
2. This unit has Auto switching power supply. It will respond to 110V or 220V automatically
3. This unit must be earthed. (electronically grounded)
4. Replace fuse only with the specified type and rating.

The occupation of the connection-cable is as follows:

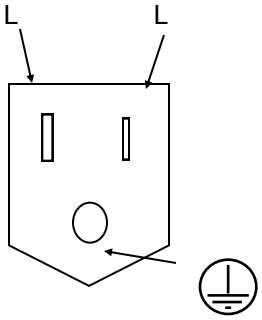
This fixture is equipped with an electronic power supply that will let the unit operate from 90V to 240V from 50Hz to

Cable (USA)	Cable (EU)	Pin	110V	220V
Black	Brown	Live	L	L
White	Light Blue	Neutral	N	L
Green	Yellow/Green	Ground	⏚	⏚

110V—Connection



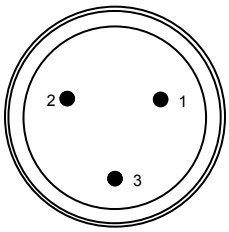
220V—Connection



DMX-512 Connec-

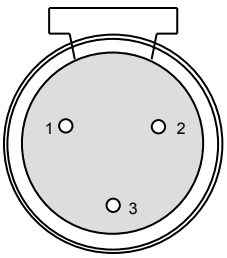
The fixture is equipped with 3 pin XLR Sockets for DMX input and output. The sockets are wired in parallel. Only use a shielded twisted pair cable designed for RS-485 and 3 pin XLR plugs and connectors in order to connect the controller with the fixture or the fixture with another.

DMX—input



1. Shield
2. Signal (-)
3. Signal (+)

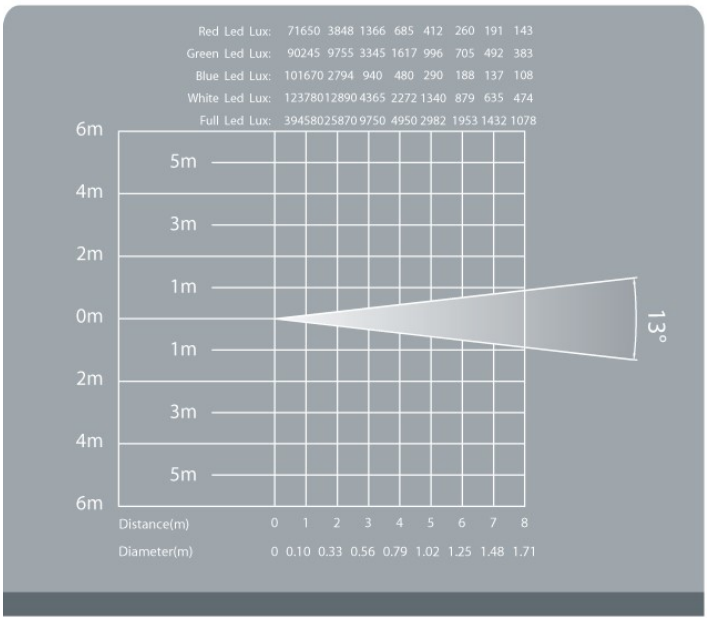
DMX—output

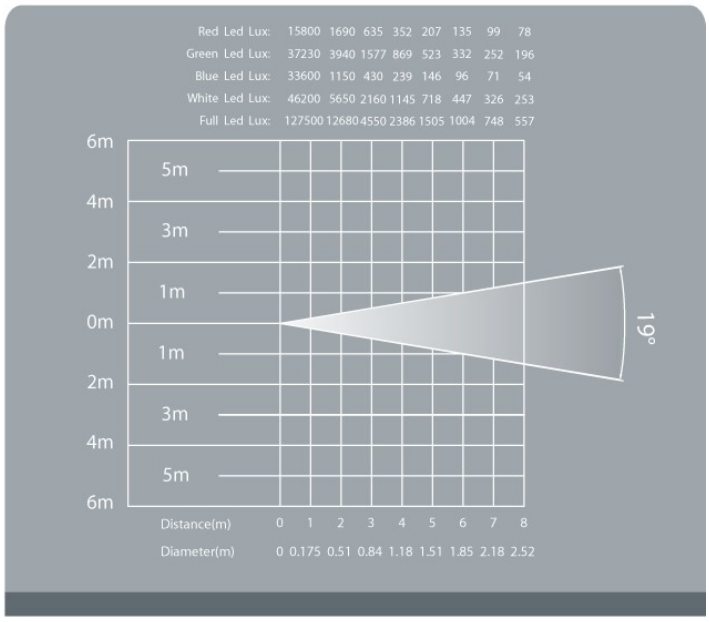


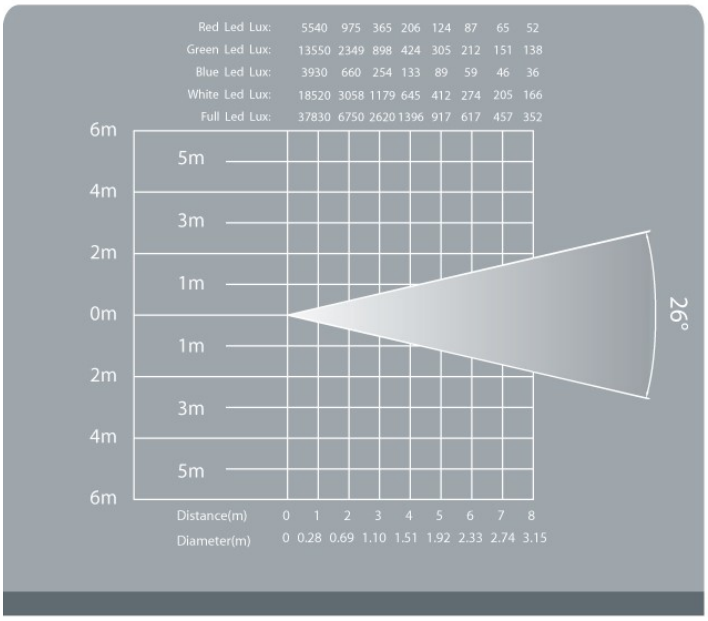
Caution!

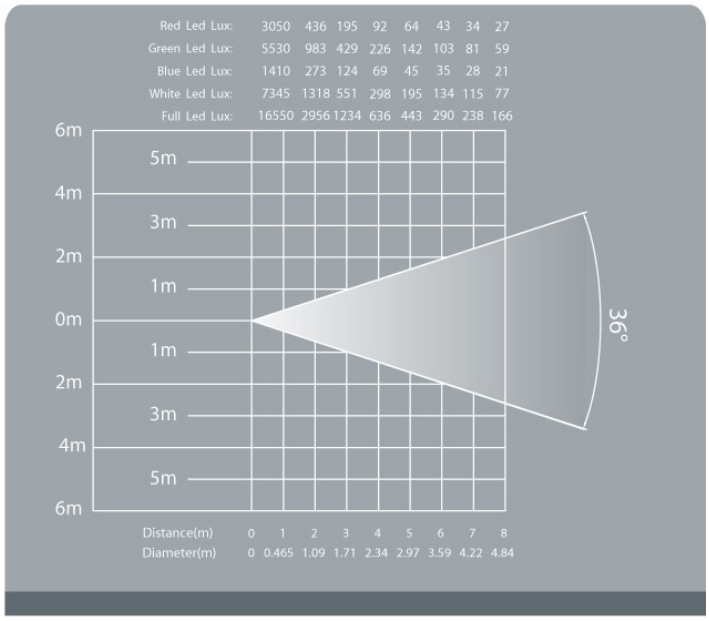
At the last fixture the DMX signal needs to be terminated with a terminator. Solder a 120 Ohm resistor between the (-) and the (+) signal into a 3 pin XLR plug and plug it in to the last fixture on the signal run. Pre-manufactured terminator plugs are availa-

Lux Output


Red Led Lux: 71650 3848 1366 685 412 260 191 143
Green Led Lux: 90245 9755 3345 1617 996 705 492 383
Blue Led Lux: 101670 2794 940 480 290 188 137 108
White Led Lux: 123780 12890 4365 2272 1340 879 635 474
Full Led Lux: 394580 25870 9750 4950 2982 1953 1432 1078
6m
5m
4m
3m
2m
1m
0m
1m
2m
3m
4m
5m
6m
13°
Distance(m) 0 1 2 3 4 5 6 7 8
Diameter(m) 0 0.10 0.33 0.56 0.79 1.02 1.25 1.48 1.71


Red Led Lux: 15800 1690 635 352 207 135 99 78
Green Led Lux: 37230 3940 1577 869 523 332 252 196
Blue Led Lux: 33600 1150 430 239 146 96 71 54
White Led Lux: 46200 5650 2160 1145 718 447 326 253
Full Led Lux: 127500 12680 4550 2386 1505 1004 748 557
6m
5m
4m
3m
2m
1m
0m
1m
2m
3m
4m
5m
6m
19°
Distance(m) 0 1 2 3 4 5 6 7 8
Diameter(m) 0 0.175 0.51 0.84 1.18 1.51 1.85 2.18 2.52


Red Led Lux: 5540 975 365 206 124 87 65 52
Green Led Lux: 13550 2349 898 424 305 212 151 138
Blue Led Lux: 3930 660 254 133 89 59 46 36
White Led Lux: 18520 3058 1179 645 412 274 205 166
Full Led Lux: 37830 6750 2620 1396 917 617 457 352
6m
5m
4m
3m
2m
1m
0m
1m
2m
3m
4m
5m
6m
26°
Distance(m) 0 1 2 3 4 5 6 7 8
Diameter(m) 0 0.28 0.69 1.10 1.51 1.92 2.33 2.74 3.15


Red Led Lux: 3050 436 195 92 64 43 34 27
Green Led Lux: 5530 983 429 226 142 103 81 59
Blue Led Lux: 1410 273 124 69 45 35 28 21
White Led Lux: 7345 1318 551 298 195 134 115 77
Full Led Lux: 16550 2956 1234 636 443 290 238 166
6m
5m
4m
3m
2m
1m
0m
1m
2m
3m
4m
5m
6m
36°
Distance(m) 0 1 2 3 4 5 6 7 8
Diameter(m) 0 0.465 1.09 1.71 2.34 2.97 3.59 4.22 4.84

DMX Profile

Drama Q170 4 Channel Mode

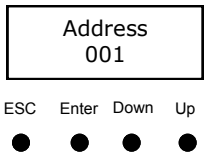
DMX Chanel	Function	Description	Value
1	LED Color	Red LED intensity	0-255
2	LED Color	Green LED Intensity	0-255
3	LED Color	Blue LED Intensity	0-255
4	LED Color	White LED Intensity	0-255

Drama Q170 7 Channel Mode

DMX Chanel	Function	Description	Value
1	Dimmer	Dimmer Off to Full	0-255
2	LED Color	Red LED intensity	0-255
3	LED Color	Green LED Intensity	0-255
4	LED Color	Blue LED Intensity	0-255
5	LED Color	White LED Intensity	0-255
6	Macro	No Function	0-1
		Color fade All (slow to fast)	2-19
		Color Chase 1 (slow to fast)	20-39
		Color Chase 2 (slow to fast)	40-59
		Color Chase 3 (slow to fast)	60-79
		Color Chase 4 (slow to fast)	80-99
		Red Fade	100-119
		Green Fade	120-139
		Blue Fade	140-159
		White Fade	160-179
		Purple Fade	180-199
		Yellow Fade	200-219
		Cyan Fade	220-229
		White Fade	230-249
		White	250-255
7	Strobe	Strobe (slow to fast)	0-127
		Strobe Pulse (slow to fast)	128-159
		Random Strobe	160-255

Main Control

The control board on the fixture base is your interface to access and control all the functions on the unit. Its digital display gives you a control of the options and functions. The following will explain each function and its options.



Address 001	Channel Mode	Red	Green	Blue	White	Color Fade
1-512	4 Channel Mode 7 Channel Mode	0-255	0-255	0-255	0-255	0-15

Address
001

DMX Address

Press **Enter** to select. Use the **up/down** keys to select the required DMX start channel. Press **Enter** to confirm

Channel
Mode

Channel

This function allows you to select the operating mode of the DMX channel profile. Press **Enter** use the **up/down** keys to select desired Mode settings.

4Channel Mode	Red, Green, Blue, White
7Channel Mode	Dimmer, Red, Green, Blue, White, Macro, Strobe

Red

Red Dimmer

This function allows you to dim the red LED . Press Enter use the **up/down** keys to select desired dimmer settings. Press **Enter** then **ESC** to confirm the settings. (255 Steps)

Green

Green Dimmer

This function allows you to dim the green LED . Press Enter use the **up/down** keys to select desired dimmer settings. Press **Enter** then **ESC** to confirm the settings. (255 Steps)

Blue

Blue Dimmer

This function allows you to dim the blue LED . Press Enter use the **up/down** keys to select desired dimmer settings. Press **Enter** then **ESC** to confirm the settings. (255 Steps)

White

White Dim-

This function allows you to dim the white LED . Press Enter use the **up/down** keys to select desired dimmer settings. Press **Enter** then **ESC** to confirm the settings. (255 Steps)

Color Fade

Color Fade

This function allows you to access the pre program fade effect. Press Enter use the **up/down** keys to select desired fade speed settings. Press **Enter** then **ESC** to confirm the settings. (15 Steps)

Rigging the fix-

Caution!

1. The installations must be carried out by an authorized dealer or trained professional.
2. Unit may cause severe injures if you have doubts concerning the safety do not install.

When rigging a unit it is very important that you follow common safety procedures. Rigging requires extensive experience including but not limited to calculating working loads, material being used and periodic safety inspections. If you lack these qualifications, do not attempt the installation yourself, instead use a professional structural rigger.

When rigging the unit always be secured with a secondary safety attachment. The installation location of the projector has got to be built in the way that it can hold 10 times the weight for 1 hour with out any harming. Installation should be checked at least one time a year by a skilled person.

Cleaning and maintenance

Installation M**aintenance:** The operator has to make sure that the unit is operating safely and has the installations and electronics checked by an expert every 2 years.

The following points have to be considered during the inspection:

1) All screws used for installing the device or part of the device have to be tightly connected and must not be corroded.
2) There must not be any deformations on the housing, fixation and installation spots (ceiling, suspension, trussing).
3) The electronic power supply cables must not show any damages, material fatigue (e.g. porous cables) or sediments. Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.

Note: There is no serviceable parts inside the device except for the LED's. Maintenance and service operations are to be carried out by authorized dealers.

Replacing the fuse: Only replace the fuse with the same type and rating.

Replacing the power cable: If the power cable of this device becomes damaged, it has to be replaced by authorized dealers or trained professional only.

Should you have further questions , please contact your dealer.

Parts List

7000-FANL	Large Replacement fan
7010-MPCB	Main PCB card
7010-PS	Power Supply
7010-DIS	Display
7010-13	13 Degree Lens
7010-19	19 Degree Lens
7010-26	26 Degree Lens
7010-36	36 Degree Lens
7000-KNOB	Knob Set

P-POW	Power cable assembly

Warranty Information

Warranty Conditions
-Unless otherwise stated in writing, your product is covered by a one year parts and labor limited warranty.

-LEDs are not guaranteed to match in color temperature or output.

-It is the owner's responsibility to furnish receipts or invoices for verification of purchase, date, and reseller or distributor. If purchase date cannot be provided, date of manufacture will be used to determine warranty period.

-Goods returned under warranty must follow the proper authorization procedure and must be accompanied by a copy of the original invoice.

-Goods repaired under warranty will be returned to the owner with the freight prepaid by MSI via the most economical means of shipment.

-Repair or replacement as provided for under this warranty is the exclusive remedy of the consumer. MEGA SYSTEMS INC. makes no warranties, express or implied, with respect to any product, and Mega Systems specifically disclaims any warranty of merchantability or fitness for a particular purpose. Mega Systems shall not be liable for any indirect, incidental or consequential damage, including lost profit, sustained or incurred in connection with any product or caused by product defect or the partial or total failure of any product regardless of the form of action, weather in contract, tort (including negligence), strict liability or otherwise, and weather or not such damage was foreseen or unforeseen.

- Warranty is void if the product is misused, damaged, modified in any way, or for unauthorized repairs or parts. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

MEGA LITE™

Mega-Lite
5718 Kenwick St
San Antonio, TX 78238
Ph 210-684-2600 Fax 210-855-6279
www.mega-lite.com / info@mega-lite.com